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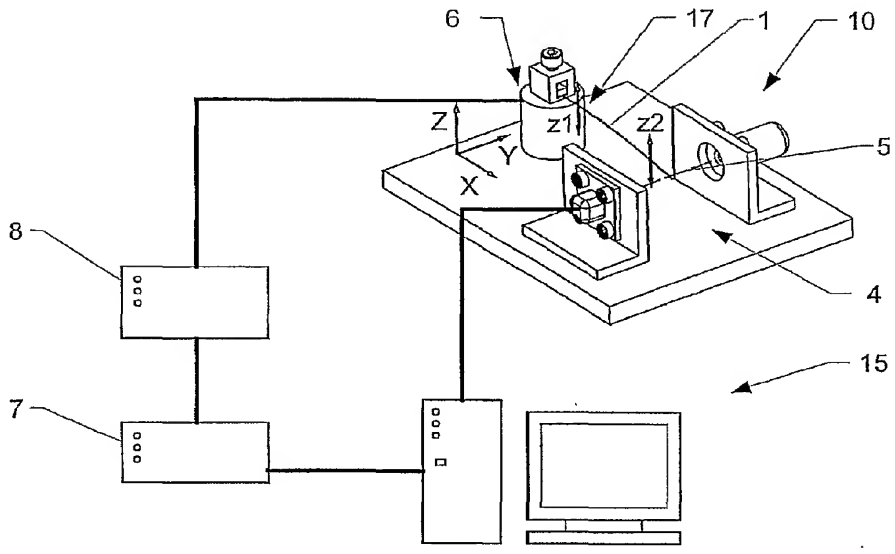
(54) Title: DEVICE AND METHOD FOR MEASURING FLEXURAL DAMPING OF FIBRES



(57) Abstract: The present invention is directed to a device and a method for measuring flexural damping in fibres (1). The device comprises a transducer (6), at which transducer (6) the fibre (1) is attachable with one of its extremities. For the measurement said transducer (6) induces flexural vibration into the fibre (1). Further a light barrier (4) built by a light emitter (2) and a light receiver (3) arranged in line to each other and approximately perpendicular to the attachable fibre (1), thus that a light beam (5) emitted by the light emitter (2) and received by the light receiver (3) is periodically interrupted by the fibre (1) during vibration and the phase delay between excitation signal and fibre response is obtainable from the electrical signal of the interrupted light beam (5).

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